BRUHAT BANGALORE MAHANAGAR PALIKE

Byatarayanapura Division

Name of Work: Improvements Roads From NH-07 to Sanjeevininagar up to Hebbala Sarovara layout in ward no 07 and ward No 08 in kodigehalli sub division.

Name of Contractor :- AGENCY:- B.B.UMESHA (M/S SMLP Asphalts)
Estimated cost: 100.00 Lakhs
Amount put to Tender as per Sanction : 87,47,158.57
Agreement No.BBMP/EE/BTP/WO/75/2022-23 Date- 24/11/2022
Accepted Tendered Amount : 91,82,268.05
Job Code / Indent No :- 007-20-000080
Head of Account :

Comparative Statement

Sl. No.	Description of work	Unit	Detailed As per Sanctioned Estimate			Detailed As per Approved Tender Rates			Total Executed Qty	Qty up to 125%			Qty above 125%			Total Amount 14+17	Excess Amount 11-09	Savings Amount 11 - 9	Remarks
			Qty	Rate	Amount	Qty	Rate	Amount		Qty	Rate	Amount	Qty	Rate	Amount				
1	2	3	4	5	6	7	8	9	10	12	13	14	15	16	17	18	19	20	21
1	Removing and Refixing stone slabs of drains and pointing in C.M(1:3) (p no 25 l no 5.33of pw,p&IWTD SR 2018-19)	sqm	1,200.42	111.30	133606.75	1200.42	120.00	144050.40	259.61	259.61	120.00	31153.25	0.00	120.00	0.00	31153.25		112897.15	
2	KSRRB300-1 : Earthwork excavation by manual means in ordinary soil involving as average horizontal throw upto 2 mters and an average lifts upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications MORTH/ Chapter 3 (p no 142 l no 19.1 of pw,p&IWTD SR 2018-19)	Cum	1,093.46	137.80	150678.79	1093.46	145.00	158551.70	972.78	972.78	145.00	141053.54	0.00	145.00	0.00	141053.54		17498.16	
3	KSRB M2100-10 : Providing and laying plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89 cum and fine aggregtes @ 0.46cum, in foundation machanically mixed, placed in foundation and compacted by vibration including curng for 14 days including cost of all materials, labours, HOM curing, from works, scffolding and centering complete as per specifications.(P.No- 222, I.No-27.18)	Cum	389.66	5,817.58	2266878.22	389.66	6105.00	2378874.30	163.31	163.31	6105.00	997028.92	0.00	6105.00	0.00	997028.92		1381845.38	
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications. Page No.271. Item No.37.59	Cum	328.30	7,729.67	2537650.66	328.30	8110.00	2662513.00	321.14	321.14	8110.00	2604426.75	0.00	8110.00	0.00	2604426.75		58086.25	
5	KSRRB M 2200-6 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. MORTH Specification No 1600 & 2200 TMT Bars Fe 500 Page No 229 Item No 28.8.2 SR 2018-19	Cum	19.79	90,596.08	1792896.42	19.79	95035.00	1880742.65	18.90	18.90	95035.00	1796608.21	0.00	95035.00	0.00	1796608.21		84134.44	
6	Providing and Fixing RCC pre cast covering Slab of 100mm thick for drains in cement concrete M25 using graded granite jelly 20mm and down size with steel reinforecement , inclunding form work, lift charges, curing and concrete finishined surfaces on both side etc., complete as per drawing and the directions of Engineer in-charge.(Date rate)	Cum	175.50	2,237.00	392593.50	175.50	2348.00	412074.00	723.15	219.38	2348.00	515092.50	503.78	2348.18	1182953.83	1698046.33	1285972.33		
7	Providing and Fixing pre cast covering Slab 250mm thick made out of M25 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of all materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)	sqm	12.00	5,418.00	65016.00	12.00	5685.00	68220.00	21.84	15.00	5685.00	85275.00	6.84	5687.27	38900.96	124175.96	55955.96		

8	Dismantling of cement concrete pavement by mechanical means using pnuematic tools, breaking to pieces not not exceeding 0.02 cum in volume and stock pilling at designated locations and disposal of dismantled material stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH specification No 202 with all lead and lift, loading and unloading and all other incidental charges	sqm	87.00	1,068.48	92957.76	87.00	1120.00	97440.00	0.00	0.00	1120.00	0.00	0.00	1120.00	0.00	0.00		97440.00	Item Not operated
9	KSRRB M300-14: Excavation for roadwork in soil with hydralic excavation of 0.9 cum bucket capacity including cutting and laoding in tippers,trimming bottom and side slopes , in accordance with requiement of lines , grades and cross section , and transporting to the embankment location to a lead of 1 km and complete as per specifications with all lead and lift and as per the direction of Engineer in-charge.	sqm	290.80	158.15	45990.02	290.80	165.00	47982.00	206.85	206.85	165.00	34130.25	0.00	165.00	0.00	34130.25		13851.75	
10	Constructing un-reinforced,plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum,fine aggregates at 0.46 cum,coarse and fine aggregate conforming to IS:383-2016,with Superplastizer at 3 lts conforming to IS 9103-2008.mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design,laid in approved fixed side form work (sreel channel,layning and fixing of 125 micron thick polythene fim, wedges, steel plates including levelling the form work as per drawing). & Speration the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a construction and longitudinal joints,including groove cutting charges,joint filler,separation membrane of impermiable plastic sheet of 125 micron,sealant primer, joint sealant, admixtures as approved, curring compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials,labour,hire charges of machineries , all lead & lift charges etc., complete as per specifications.	Cum	211.40	6,002.32	1268890.45	211.40	6300.00	1331820.00	0.00	0.00	6300.00	0.00	0.00	6300.00	0.00	0.00		1331820.00	Item Not operated
	Grand Total				**87,47,158.57**			**91,82,268.05**										
	Extra Items																	
E1	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing in a mechanical mix plant at OMC , Carriage of mixed materials to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications with all lead and lift and as per direction of Engineer In-charge	Cum							88.65	88.65	2579.53	228675.58				228675.58	228675.58		
E2	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. with all lead and lift and as per direction of Engineer In-charge	Cum							147.75	147.75	2764.28	408422.37				408422.37	408422.37		
E3	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and sparying primer at the rte of 0.60 kg /sqm using mechanical means complete as per specifications with all lead and lift and as per the direction of Engineer in-charge	sqm							591.00	591.00	48.50	28661.22				28661.22	28661.22		
E4	KSRRB M500-17. Providing and laying Dense Graded Bituminous Macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction	sqm							29.55	29.55	10552.53	311827.24				311827.24	311827.24		
E5	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of materials , labour, HOM complete as per specification with all lead and lift and as per the direction of Engineer in-charge.	sqm							591.00	591.00	13.86	8188.92				8188.92	8188.92		

E6	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and fillet, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP- 53-2015.do- using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4% of modified bituminous binder consisting of 4.97% ofVG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic) with all lead and lift and as per the direction of Engineer in-charge.	Cum								23.64	23.64	12252.20	289642.09				289642.09	289642.09		
E7	KSRRB M800-13. Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications with all lead and lift and as per the direction of Engineer in-charge	Cum								19.70	19.70	551.93	10873.07				10873.07	10873.07		
	Add GST 6% Amount																466895.00	466895.00		
	Total																**9179808.67**	**3095113.76**	**3097573.14**	**2459.38**

Total Sanctioned Estimate	**Rs. 1,00,00,000.00**
Total Sanctioned Tender Amount	**Rs. 91,82,268.05**
Total Work Slip Amount	**Rs. 13,41,928.28**
Total EIRL Amount	**Rs. 12,86,290.48**
Percentage of Work slip Compared to Tender Amount	**14.61%**
Percentage of EIRL Amount Compared to Tender Amount	**14.01%**
Total Anticipated Amount	**Rs. 91,79,808.67**
Net Savings Amount	**Rs. 2,459.38**

Contractor

Assistant Engineer
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B.B.M.P

Assistant Executive Engineer
Byatarayanapura Division
B.B.M.P

Executive Engineer
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